

# CASE STUDY >

Village Hotel, Fitness Studio  
Coventry, UK

See how AeraMax® Professional helped create a healthy and hygienic fitness environment for members of this gym



## THE CHALLENGE

The fitness studio at the Village Hotel in Coventry, like many hotel fitness centres, is underground. This can make ventilation more challenging, especially in high humidity environments where a lot of indoor air pollution can be generated. Human activity, increased respiration, perspiration, cleaning products and fitness equipment can all contribute to air quality concerns.

Members using the fitness studio were complaining of the odor on one specific evening, where passive exercise classes followed a high intensity spin bike class. A quick turnaround is critical for fitness centres, enabling multiple classes to take place every evening, but in this case the air quality was leading to some members raising concerns and the issue was lingering for a number of hours after the high intensity classes.

These issues led the management team to investigate air quality solutions for the spin class to improve IAQ throughout the whole week.



“ Our odor issue has been dramatically reduced and in general the environment feels much better. ”

Ceri Powell, Fitness Centre Manager

AERA MAX<sup>®</sup>  
PROFESSIONAL

THE SOLUTION >

## THE SOLUTION

PHS installed an AeraMax® Pro IV wall unit in the fitness studio. Since the unit features a sophisticated four-stage filtration system, trapping odors and virtually eliminating all dust, germs, viruses and allergens from indoor air, Village Hotel Coventry was assured the unit would solve the problem.

Particle count testing was done during the peak time of complaints and there was a significant amount of 0.3 microns detected per litre of air. The aim was to install AeraMax Professional and be able to demonstrate a significant decrease in these measurements, whilst also providing a noticeably improved environment for members and management.



## THE RESULT

Following the installation of AeraMax Professional, the team returned to the fitness studio a number of weeks later to conduct particle count testing on the same weeknight evening, for a fair comparison of the impact.

A summary of the data and feedback collected before and after the installation of AeraMax Professional is below:

- Peak readings prior to installation were close to 54,000 particles per litre (0.3 microns)
- After installation, on the same weeknight with a similar level of membership attendance, a 4 hour reading was collected. The peak reading during this testing post installation was reduced to close to 15,000 particles per litre (0.3 microns), so a reduction of 72%.
- Ceri Powell, Fitness Center Manager for Village Hotel Coventry commented that the smell had definitely improved and the environment 'felt better' and had lost the 'mustiness' following the installation.
- Members of the gym have asked if they have repaired/ replaced the AC system as the air in the room is much better.



Overall, the management team at Village Hotel was impressed with the quick positive impact AeraMax Professional had in this fitness studio. Since the unit has been installed, the filters performed well for the expected lifespan and have since been replaced with new filters, meaning that members of the center can continue to enjoy a healthier and more hygienic environment for their workout.

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Fellowes, Inc. 1789 Norwood Ave, Itasca, IL 60143 | 1-800-477-7940

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